

Application Serial No.: 10/051,042
Reply to Office Action dated January 29, 2004,
and Office Action dated June 29, 2004

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A vapor-permeable and water-resistant sheet comprising:

a film layer having vapor permeability and water-resistance;

a surface protection layer laminated onto one surface of said film layer and made of a spun bonded nonwoven fabric having a basis weight of equal to or more than 20 g/m^2 and equal to or less than 70 g/m^2 ; and

a reinforcement layer of reticular construction made of a stretched film, laminated onto the other surface of said film layer.
2. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein vapor permeability is equal to or more than $1,000 \text{ gH}_2\text{O/day}\cdot\text{m}^2$, and water-resistance pressure is equal to or more than $500 \text{ cm}\cdot\text{H}_2\text{O}$.
3. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein breathability is equal to or more than 30 s/100 ml .
4. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein nail strength is equal to or more than 130 N/10 cm .
5. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein tensile strength is equal to or more than 300 N/5 cm .
6. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein said spun bonded nonwoven fabric comprises constituent fibers, which are made either one of polypropylene or a copolymer of polypropylene and α -olefin.
7. (Original) The vapor-permeable and water-resistant sheet according to claim 1,

wherein said spun bonded nonwoven fabric contains therein a UV absorbent.

8. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein said film layer comprises a polyolefin base porous film having breathability of 30 through 3,000 s/100 ml, vapor permeability of 500 through 20,000 gH₂O/day·m², water-resistance pressure of equal to or more than 500 cm H₂O, the thickness of 10 through 200 μm, and minute pores having average diameter of 0.01 through 50 μm, and porosity of 10 through 70%.

9. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein said reinforcement layer comprises polyolefin, copolymer of polyolefin, polyester, or copolymer of polyester.

10. (Original) The vapor-permeable and water-resistant sheet according to claim 1, wherein said reinforcement layer has a thickness of 50 through 300 μm and a basis weight of 13 through 60 g/m².

11.-14. (Canceled)

15. (New) The vapor-permeable and water-resistant sheet according to claim 1, wherein said reinforcement layer has two uni-axial orientation reticular films made of said stretched films, which are laminated together longitudinally and transversely.

16. (New) The vapor-permeable and water-resistant sheet according to claim 1, wherein said reinforcement layer has a first uni-axial orientation reticular film made of a film formed longitudinal slits and stretched in longitudinal direction and a second uni-axial orientation reticular film made of a film formed transverse slits and stretched in transverse direction, which are laminated together.

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17. (New) The vapor-permeable and water resistant sheet according to claim 1, wherein said reinforcement layer has stretched tapes which are served said stretched film in a stretched direction, said stretched tapes are arranged at a constant space and in parallel with one another so as to form a layer, and laminated layers so that respective layers are alternately directed transversely and longitudinally.

18. (New) The vapor-permeable and water resistant sheet according to claim 1, wherein said reinforcement layer has stretched tapes which are served said stretched film in a stretched direction, said stretched tapes are woven longitudinally and transversely.

19. (New) The vapor-permeable and water resistant sheet according to claim 1, wherein said film layer and said surface protection layer is laminated by compression bonding between an emboss roller and a receipt roller.

20. (New) The vapor-permeable and water-resistant sheet according to claim 19, wherein said film layer and said surface protection layer are supplied and bonded between the emboss roller and the receipt roller in a manner such that said surface protection layer faces the emboss roller.

21. (New) The vapor-permeable and water-resistant sheet according to claim 1, wherein said reinforcement layer is laminated on said film layer of a composite sheet laminated said film layer and said surface protection layer by compression bonding between a mirror surface roller and rubber roller.

22. (New) The vapor-permeable and water-resistant sheet according to claim 21, wherein said reinforcement layer and said composite sheet are supplied and bonded between the mirror surface roller and the rubber roller in a manner such that said composite sheet

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faces the mirror surface roller.

23. (New) The vapor-permeable and water-resistant sheet according to claim 1, wherein said surface protection layer, said film layer and said reinforcement layer is laminated by ultrasonic fusion bonding.